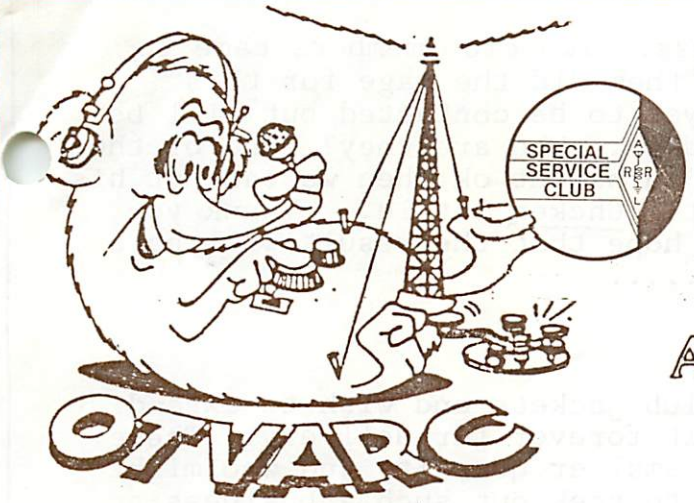


OREGON TUALATIN VALLEY AMATEUR RADIO CLUB

SEPT. 1984

Po Box 5132 Beaverton, Oregon 97006

EDITOR: AL BERG WB7SIC | Membership: 262 | CIRCULATION 300

President:	Dave Parker	W7LJN	Trustee:	Al Berg	WB7SIC
Vice-Pres:	John Haide	WA7CZA	Trustee:	Randy Cobb	KA7HJT
Secretary:	Linda Cereghino	N7CZY	Trustee:	Warren Knight	N7BIJ
Treasurer:	John Burgess	N7DCQ	Trustee:	John Koenig	NB7W
			Trustee:	Jerry Norman	ND7T

MEETING: 2nd WEDNESDAY BEAVERTON ELKS AT 7:00 p.m. (Dinner at 6:30 p.m.)

MEETING PROGRAM: COMPLETE PROGRAM DETAILS CAN BE FOUND ON THE BACK PAGE.

RAT-A-TAT-TAT

MEETING PROGRAM

Don Hillgartner gave a great talk on the 911 system at our August meet and, judging from many comments after the meeting, quite a few members who thought they knew what goes on behind the scenes at a dispatch office were surprised at how little they did know. A big thanks to Don and keep in mind, if you thought his talk went on a little long, it is only because he doesn't have a chance to talk normally while on the job. A top quality evening and we could use more like it.....

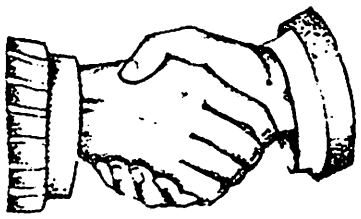
POTLUCK PICNIC

Our recent August picnic was a real blast!! While not the most heavily attended event of the year it was, nevertheless, a lot of fun. Those that were there enjoyed some superb weather and good company. Potluck is really the way to go!!! Yummmm. We even managed to throw in a good old fashioned crawdad feed. As predicted, K7WWG couldn't wait for the kids to find all of the money in the straw pile and came away with at least enough to buy a new Motorola. KZ7T was another of the greedy ones but thanks to failing eyesight, came away a little short. We are very fortunate to have our own private picnic/campsite and especially so to have it in such a beautiful spot. A very big thanks to Mr. and Mrs. Maiken for making our great outings possible.

A BIG THANKS

The recent plea for help in putting together the ad page of the newsletter

(ctd.)



(ctd.) met with success. Two club members came to the rescue and one of them did the page for this month. The other is yet to be contacted but will be given a share of the duty. Who are they? One of them said that if the page turns out ok then we can put his call and name in print! Chcken little.. Thank you for responding and we hope that the result will be a benefit to the club. More on why later.....

CLUB JACKETS

We thank all of you who have purchased club jackets and wish to extend a 'sorry' for those of you who had to wait forever for delivery. There may be a supplier who can take orders in smaller quantity and who might even be less costly. A move is underway to seek out such a business so as to improve our service. In the meantime, a revised form is going to be made available and unlike as in the past, we will have prices on same. It's called 'communication! Sorry it's been so long in coming.

HELP NEEDED

Up until last year, the club had been involved in a Halloween function called a "SPOOK PATROL". Dale Justice had been the driving force for the patrol but due to personal priorities, gave it up, at least for the time being. This is really off the cuff as the subject has not been up for discussion with our public service committee. Just thought we might bring it up here and hope for some pre-October thinking on the subject. The 'Patrol' has been very effective in cutting down on vandalism and is well worth continuing. The whole thing started in the Hillsboro area and after several years, expanded to the east and included the western fringes of Beaverton. We have a large group so I see no reason why we can't reinstate the program. Not only in Hillsboro and Beaverton but in the Tigard area as well. If this sounds good, check the back page and call the appropriate number. With help at hand, our committee just might get excited enough to put together this worthwhile project..... To see some members stimulate a committee, for a change, would be novel!

OREGON STATE HAM CONVENTION

THIS IS A POSITIVE AND OPTIMISTIC MESSAGE (in spite of what you read). A couple of past newsletters have conveyed a message regarding whether or not we should host another 'Oregon State Ham Convention'. In spite of this, management has not brought up the subject nor have any of the members??? Now we all know that the Seaside event has become one of the largest and bestest west of the Mississippi (is it spelled wrigth)? and that we even topped the "NATIONAL" which was recently held in New York City. We have commercial manufacturers who showed up last June that were impressed enough to tell us that they would highly recommend our show to other commercial enterprises. We have breached the level of 'just scraping by' and are in a position to see a MUCH larger and more heavily attended convention. Do we let it drop or do we continue?????

●Kantronics, Inc. is undertaking legal action against software pirates and will publicize the results of this action. The first case involves a non-amateur selling at the Michigan State ARRL Hamfest in Detroit. They were selling to amateur operators, however. Kantronics is also pursuing leads on other pirates. Some of them are hams. Mike Forsyth, Kantronics Marketing Director asks amateurs to never buy copied software, to report pirates to the software manufacturer and "Don't allow illegal sales at your local hamfest." He reminds amateurs that "If manufacturers are not able to sell enough product to make a profit, other new and improved programs will not be written." He asks assistance from the amateur community. W5YI

AMATEUR RADIO LICENSE EXAMINATIONS

Technician, General, Advanced and Extra

PORTLAND COMMUNITY COLLEGE

12000 SW 49th Avenue (Sylvania Campus)
Portland, Oregon
Science Technology lecture room #A-1
NOVEMBER 3, 1984

HOW TO REGISTER:

1. Complete FCC Form 610 (indicate the highest class of license you will be attempting).
2. Attach a copy of your Amateur License (if applicable).
3. Make a CHECK or MONEY ORDER for $4.00 payable to ARRL/VEC.
4. Mail all three to:

 VE EXAMS
 P.O. Box 5097
 Aloha, OR 97006

5. Deadline: Registration must be <u>received</u> by October 3, 1984.

ON THE DAY OF THE EXAM:

1. Bring your own pencils.
2. Bring identifiation: one, if it includes a picture; or two without pictures. Parent may accompany child (under 18 years) without ID.
3. Good Luck !

FOR ADDITIONAL INFORMATION:

NORTHWEST AMATEUR RADIO COUNCIL (NARC)

Armand Pilotte - WA7IIM
VE Team Liaison
760-2140

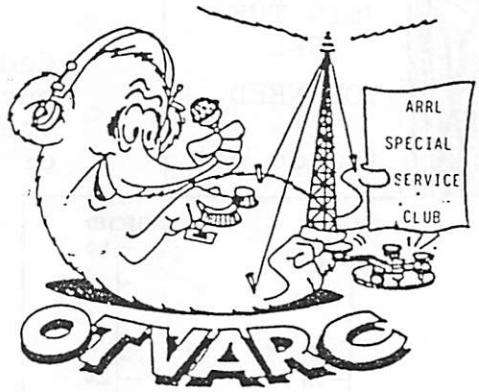
Randy Cobb - KA7HJT
VE Team Contact
649-5066



HOW ABOUT THAT!

THE WINNAH

Roy Nunley, N7DUJ, went to Vernonia a couple of weeks ago to help out on some communications for the black powder shooters who were having a big weekend of putting large holes in small targets. Roy won one of the BIG prizes that the organization raffled off. He is now the happy owner of a 54 caliber black powder rifle valued at over $150.00. Public service assistance paid off for Roy and, win or lose, it must have been a great experience for those who helped. SUPER!



NEWSLETTER OF THE MONTH

This month the laurels go to Editor Al Berg WB7SIC and *OTVARC*, journal of the Oregon Tualatin Valley ARC. Al tries very hard to include items of interest for everyone—a tough job in a club with 230+ members! The result is a collection of news and views presented in a friendly, easygoing style with eye-catching graphics that grab a reader's attention.

OTVARC is obviously a dynamic group of people who thrive on a steady diet of ham radio, social events, and public service. Congratulations to President Dave Parker W7LJN, Vice-President John Haide WA7CZA, and their fellow OTVARCs for doing it better than anyone else.

To enter your club's newsletter in *73*'s Newsletter of the Month Contest, send it to *73*, Pine Street, Peterborough NH 03458, Attn: Newsletter of the Month.

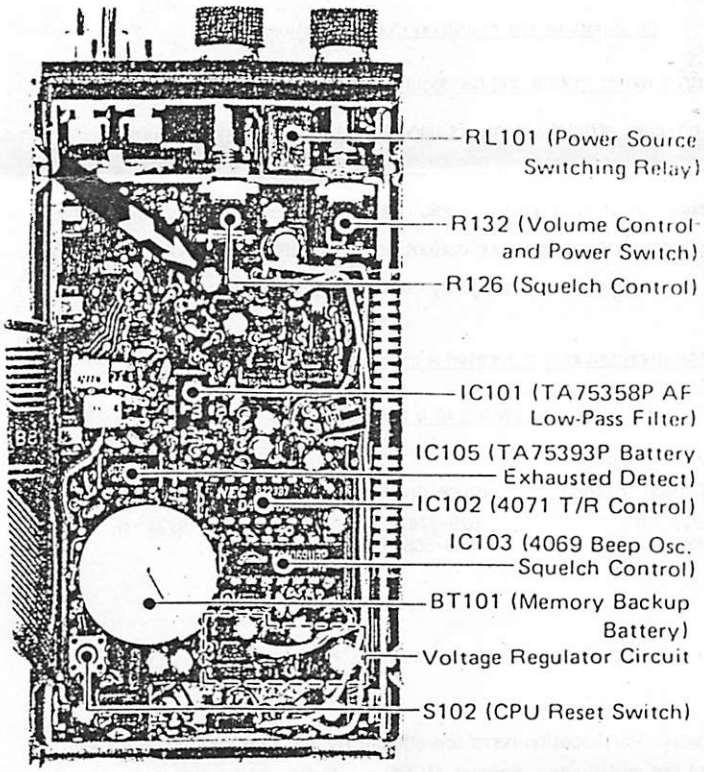
ANOTHER GREAT ICOM MODIFICATION

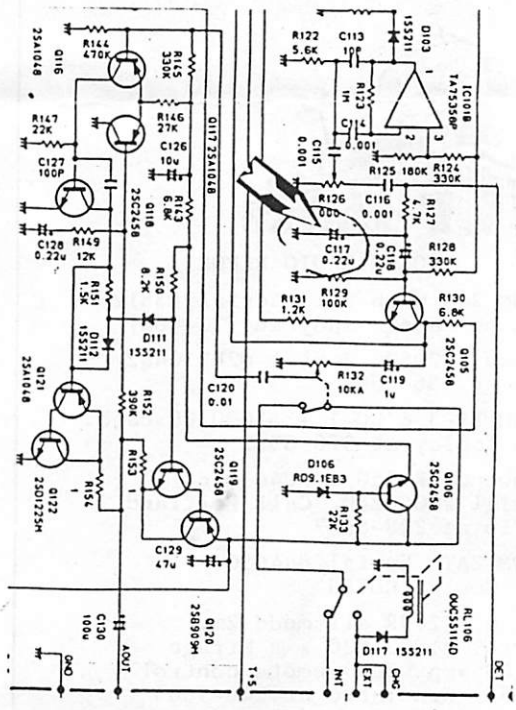
ATTENTION!!! ICOM 02AT owners, is your 02AT audio a little weak in the speaker? Well, KL7AP learned the "fix" from a fine fellow at Dayton.

Replace C117 .22uf electrolitic with a .02uf (about 15 volts) ceramic capacitor. That's all there is to it!

Be ye forewarned...you're going to be performing open heart surgery on your 02AT. If you do not have the skill, the guts, or a 23 watt fine tipped soldering iron, do not try this modification.

73,
Rick Marvin-KL7YF



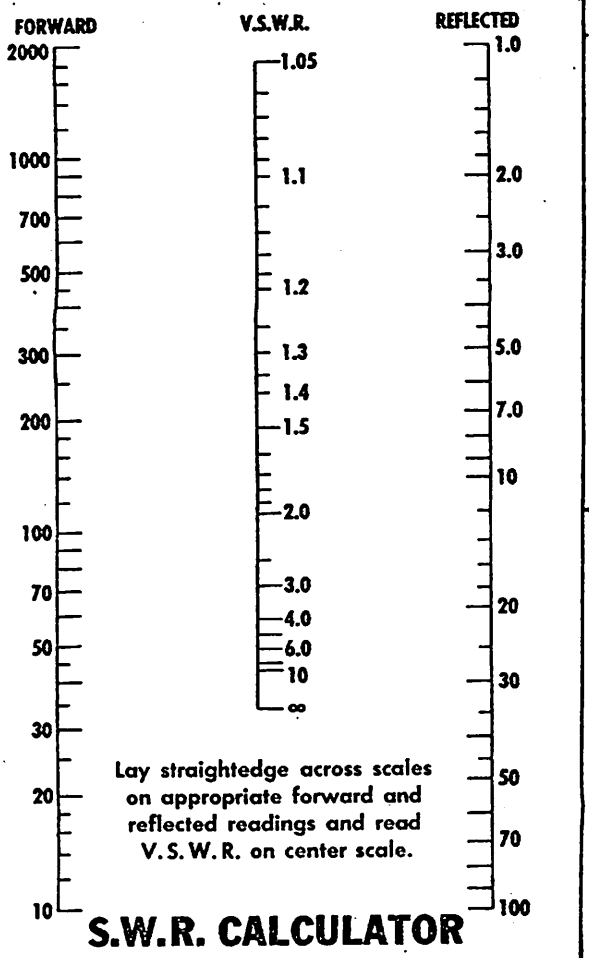




JOIN THE ARRL

YOU NEED IT

(so do we)



S.W.R. CALCULATOR

NOVICE CLASSES START

Cedar Park Elementary School in Beaverton will once again be hosts to our ham classes. The fall class will be novice only with hopes of having general and higher during the winter session. The novice class starts on Sept. 24, a Monday, and the time is 7:00 pm. It is sponsored by the Rock Creek PCC and our club. Registration may be either through the PCC campus or at the first class. For general information, the past history of a passing rate has been around 97% with the few who failed blaming it on a lack of CW practice at home. A VERY impressive record for those who have taught. If you have a friend or family member that has made it known that an interest in getting into ham radio is hovering in the background, now is the time! If you have any question on the class please check out the back page of this letter and call (whom) to call for what..

Ham Radio & Portland Marathon

What: The Portland Marathon, one of the top ranked marathons in the US. 3,000 runners, including 20+ US Olympic Trials qualifiers and numerous world class athletes. If you couldn't make the LA Olympics, this is the closest thing to a second chance. Sponsored by the Oregon Road Runners and the City of Portland (Bud Clark will be there too!).

When: Sunday September 23, 1984, race starts at 8:00 am, net check-in at 7:15 am

Be a part of the Marathon Communications Team !

Hams with 2 meter mobile and handheld capability will be KEY MEMBERS

of a group of official volunteers handling strategic communications

A coalition of area amateur radio clubs will be involved providing 2 meter repeater based communications as an exercise and demonstration of amateur based emergency communications services

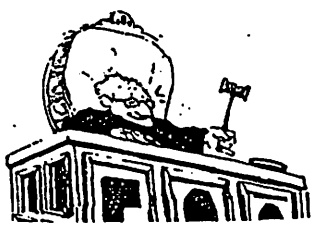
All Marathon Volunteers receive a complimentary T-shirt and Visor

and are invited to a post-race party

Steve Crouch KC7MY	Bruce Cheney NI7M	Clyde Sylvester W7KSA
771-1913 h	625-5747 h	656-9924 h
241-2959 w	685-3686 w	

Listen to PARCnet Monday nights 146.84 at 7:00 pm for more details

Award chasers: Participating hams are eligible for the rare and highly valued WAM PM certificate Worked All Miles - Portland Marathon '84



STOLEN RADIO REPORT

ICOM 245 with SB. Serial #3812 ODL on case. Judy at 771-4667

Yaesu FT208R Serial #2K210462 Bob at 656-4554

ICOM BP-3 & DC-1 + $1000.00 cash. Don Tooley at 370-8335

Kenwood TR7950 & MC46 mic. Serial #4050280 Call Portland Radio at 228-8647

ICOM 2AT Serial #44650. Ron Gould, KD7RJ

Yaesu FT290R all mode 2m. Serial #1H031820 + a Mirage B-108 amp with remote control head. Win Tatro at 246-9865



A good scare teaches more than good advice.



"HAND ME THE HAIR DRYER"

HF Phone Bands Expanded!

¶ The FCC released on July 20 a Second Report and Order expanding the HF phone bands (P.R. Docket No. 82-83) and also granted the Petition for Rule Making filed by Randall F. Soball, KH6XX, allowing phone operation on 7075 kHz - 7100 kHz in Hawaii (RM-4228). The FCC adopted ARRL's proposed band plan as filed during the comment period (See QST, October 1982, P. 51).

The Commission released a First Report and Order which authorized expanded phone operation on 20 meters last year. (See QST, June 1983, P. 59.)

Effective 0001 UTC, September 1, U.S. Amateur Radio operators may operate phone (A3 and F3 emissions, as well as slow-scan television and FAX [A4, A5, F4, and F5 emissions]) on the following frequencies:

*3750 - 3775 kHz - Amateur Extra;
*3775 - 3850 kHz - Advanced and up;
*3850 - 4000 kHz - General and up;
*21200 - 21225 kHz - Amateur Extra;
*21225 - 21300 kHz - Advanced and up;
*21300 - 21450 kHz - General and up;
*28300 - 29700 kHz - General and up.

Section News

The ARRL Field Organization Forum

OREGON: Sm, William R. Shrader, W7OMU — STM: W7VSE. SEc: N7CPA. PIO: KC7YN. SGL: KA7KSK. ACC: WB7WTD. RFI: AK7T. OO:N7SC. TC: N7ENI. Upgrades: KD7WA (KA7PVL) Adv.; KA7RNS KA7JOA Gen.; KA8SSF (KA7SOO) KA7SOO Tech. W7SAA (Salem ARC) had successful endeavor on 144 MHz, 220 MHz, and 432 MHz during the ARRL VHF QSO Party. Memorial Day weekend SARC (Salem) served over 2000 cups of coffee and punch to travelers at the Satiam Rest Area on I-5. KB7CW on 70 cm with Echo 70 SSB rig. Sunset ARC operated Field Day aboard the Lightship Columbia. Umpqua Valley ARC officers are: N7AVN, pres.; W7HKE, v.p.; KA7AID, secy.; W7LNE, treas. K7SGU is Asst. Emergency Coordinator for Portland area. WA7OEM succeeded in making DXCC and WA7IIM has gotten his 100th DX confirmation. Wes Hayward, W7ZOI, was awarded a Technical Merit Award for contributions to *QST*. WB7OIW, Hoodview ARC, won first place in multiop category for Oregon in VHF Sweepstakes. Portland ARC helped with communications in Rose Parade and Jr. Rose Parade in Portland. Many clubs reported operating in FD. OSN totals: ONI 511, QTC 424. Traffic: W7VSE 588, KN7B 285, W7ZB 180, AL7W 131, KX7W 103, K7OVK 100, KX7T 99, W7LRB 55, WA7VTD 55, KV7F 50, KA7AID 25, N7BGW 20, K7TDX 19, WB7BMY 8, W7MLM 8. (May) KI7Y 95, W7LRB 26, W7DAN 2.

AND NOW THEY WANT 6?

A petition to reallocate the amateur 50-54 MHz band to expanded CB radio services is en route to the FCC from the Long Island New York-based Citizens Communications Coalition. In its request, the "Triple C" cites the overall lack of amateur activity nationally, using specific figures compiled from 12 months of monitoring the band in 40 "key cities" nationwide. The group also argues that the phenomenal growth in 11 meter Class D activity makes it unfair for radio amateurs to hold on to 4 MHz of valuable spectrum while the needs, wants and desires of "tens of millions" of CB operators are ignored by the FCC.

9N1MM 9N1MM 9N1MM

Father Moran's much anticipated journey to the USA has been finalized. Father went to India just before the stock market crash of 1929. He eventually ventured into Nepal to become the head of St. Xavier School. The King of Nepal is one of his former students. Father has a rather strenuous schedule in our country visiting many major cities. He will be in Portland on 8th. Sept. 1984 at the Bonneville Power Administration auditorium at 6:30 PM on Saturday. So lets all turn out and give Father a wonderful reception to our City of Roses. He will give us a very wonderful slide presentation with his sense of humor. While in Portland Gus KC7XB is the host. Father is being sponsored by OTVARC, Hoodview and Willamette Valley DX Club. Doc KA7BSD



A FEW WORDS FROM W7LJN

I would like to pose a few questions to the membership of this great club. We have grown so large that I think that I have lost touch with the desires of the membership. The turn out at the picknic poses the first question:

Was the location too far away to justify the trip to the site for an evening meal? The site is ideal as a site for a campout, but maybe it would be ok as a picnic site if the potluck meal was near noon rather than the evening meal? Would you prefer that the "picknic" was held at a location such as Oaks Park and the Vernonia site used as a campout site? I found that the picknic/campout was very relaxing since the small turnout allowed it to be very informal.

At the last board meeting it was suggested that we explore a different site for Field Day and I think that some discussion is deserved. The Maiken ranch may not be the best site for the radios, but lets look at the positive side. The field day site must meet some very unique requirements:

1 It must have enough area to put up the stations.
2 It must have enough area to put up all the tents and park RV's.
3 It must have enough covered area to serve the meels.
4 It must be close enough to be accessable for the members who wish to spend only a day and return to home.
5 It must have an area where familys and non operators can gather and not feel they are a bother.
6 It must be at least partially protected from the weather.
7 We must be able to reserve it well in advance.

With a club the size of OTVARC it becomes very difficult to find a location that meets the first 3 requirements let alone all 7. If you have any suggestions for sites please let one of the officers know. If possible write down the name of the site and list the requirements met. I think you will find most sites will be hard pressed to meet the requirements.

I feel that some input from the membership is desirable in the selection of the site for the 1985 field day site.

I have reserved the Maiken site for both the 1985 field day and the 1985 "CAMPOUT" on the first full weekend in August. The fielday site can be changed if a better location can be found. The reservations were made to insure we had a site.

The most important thing that faces the club now is the election of officers. Please think about who you wish to see in the various positions and let Bert W7JWG know your feelings. If YOU wish to run let BERT know. The success of the club has always been directly related to the attitude of the officers and board. Please do your part to insure the future of the largest club in the northwest.

Randy Cobb KA7HJT has done a lot of work for the club in coordinating the portland area voleteer examination plan. Through his and others efforts the major local clubs have been able to get together and share the work load of putting on monthly test sessions at the PCC Sylvania campus.

I wish to take this space to let WB7ADM and WB7QFL know that they will be missed. It was through Dicks efforts that OTVARC grew so fast, and you know that behind every man is a good woman. SO LONG DICK AND JOAN it was nice to have you around.

Dave, W7LJN

DELTA LOOP: A wire antenna modeled after the symetric shape of an equilateral triangle whose appearance is pleasing to neighbors, zoning boards, landlords, airport officials and insurance adjusters. (after windstorms)

INTERMITTENT: A kind of connection made between stages of a home-built amplifier or oscillator. Other operators are made aware of the connection by being sent the signal, "QSB." Intermittent connections can be corrected by submerging the device into a "solder bath" or by applying "higher voltage."

GOT SOMETHING TO SELL?



CLASSIFIED ADS

FREE!

For Sale; Astron RS-7A power supply $35
Warren N7BIJ call at 649-8898

For Sale: Tempo S-1T with case, Larsen rubber duck, quarter wave antenna, $135 Bob Orr KB7CC call 297-2732

For Sale: Kenwood TS520, mint condition, CW filter, microphone, $500. Discount to OTVARC members. Janet WB7FJC call 648-8839

For Sale: CDE CD-44 rotor $50. Mosley TA-33 Jr. tri band beam $75 Paul WB7BBG call 244-7420

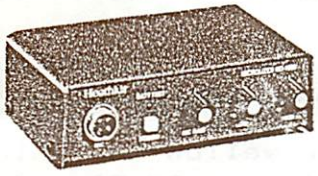
If you have something to sell contact Jim KA7TAC at 246-5457

VISIT YOUR LOCAL RADIO STORE

Heathkit®
ELECTRONIC CENTER

Brian Hawkins
Manager

516 SE Chkalov Dr. #1
Vancouver, WA 98664
(206) 254-4441



HD-1986 Microlizer tailors your microphone for optimum voice clarity and maximum talk-power on SSB

- Obtain maximum SSB output with clearer sounding signal
- Variable high and low response and audio gain permit adjusting for differences between microphone and transmitter
- Tailor your voice for maximum clarity when transmitting
- Easy-to-build Amateur Radio starter kit

Kit HD-1986, Shpg. wt. 2 lbs. 39.95

HD-1986 SPECIFICATIONS: Adjustable Microphone Gain; Low Frequency Reponse: ± 12 dB at 490 Hz. High Frequency Response: ± 12 dB at 2800. Input Impedance: 100 k nominal. Maximum Input Level: 500 mV RMS. Frequency Response: 200 Hz to 10 kHz. Distortion: 5% or less. Power Requirement: 9-volt transistor battery. Dimensions: 5¼" W x 2" H x 4¼" D.

VISA MasterCard

IN NORVAC ELECTRONICS

(503) 644-1025

12905 S.W. BEAVERDAM ROAD
BEAVERTON, OREGON 97005



SEMICONDUCTORS	SOLDER/DE-SOLDER TOOLS
CAPACITORS	BREADBOARDS
RESISTORS	WIRE WRAP TOOLING
WIRE	KEYBOARDS
CABLE	SOCKETS
ENCLOSURES	SPEAKERS
CONNECTORS	POTENTIOMETERS
TRANSFORMERS	MICROPHONES
PANEL METERS	CRYSTALS
FANS	ELECTRONIC HARDWARE
TEST INSTRUMENTATION	PHOTOFACTS
TUBES	P.C. BOARD SUPPLIES
HANDTOOLS	TECHNICAL PUBLICATIONS
TOOL CASES	TECHNICAL PERIODICALS
TUBING	SOFTWARE
FUSES	S100 BOARDS
BATTERIES	OUTLET STRIPS
POWER SUPPLIES	LINE FILTERS
LAMPS	CONVERTERS
CHEMICALS	ANTENNAS
SOLDER SUPPLIES	

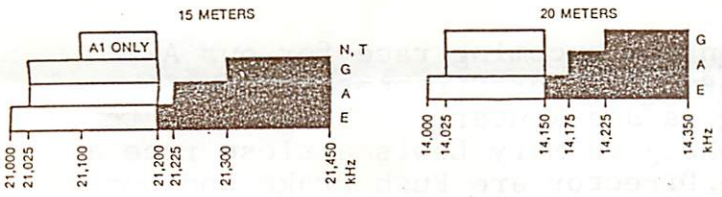
VISA MasterCard

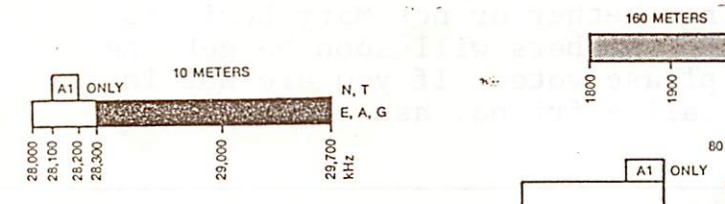
HF Phone Bands Expanded!

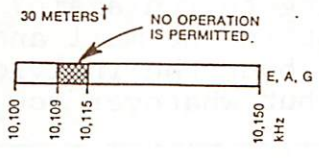
KEY

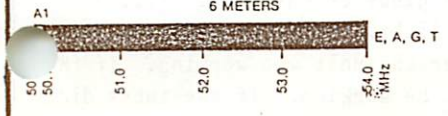
- ☐ = A1 AND F1
- ▨ = A1 AND A3
- ■ = A1, VOICE, SSTV AND FAX

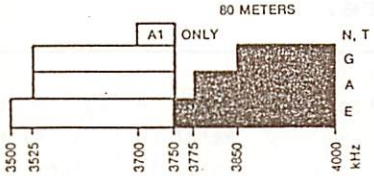
E = EXTRA
A = ADVANCED
G = GENERAL
T = TECHNICIAN
N = NOVICE

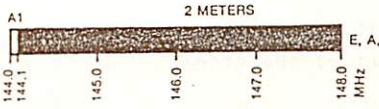


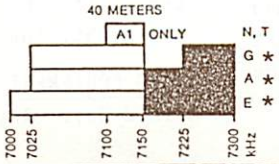












† The segment 10,109-10,115 MHz is not available at this time because of daily use by a priority government radio service. Additionally, in the permitted segments of operation, amateur stations must avoid interfering with stations in the *Fixed Service* because the band is allocated on a primary basis to the *Fixed Service* and these stations have priority.

* Phone operation is allowed on 7075-7100 kHz in Hawaii and areas near ITU Region 3, including Alaska.

MULTNOMAH CABINET SHOP
7634 S.W. Capital Highway
PORTLAND, OREGON 97219
(503) 246-5457

CUSTOM CABINETRY FOR
BROADCAST INDUSTRY
COMPUTER & ELECTRONICS INDUSTRY

JIM ZIEGLER KA7TAC



ACTIVITIES

Nothing makes you more tolerant of a neighbor's party than being there.

BITS AND PIECES FROM KZ7T

PUBLIC SERVICE

Not much going on in September. There will be a bicycle happening mid-September and the Portland Marathon is Sunday, September 23. We will probably be asked to help. If so, I will be on the 147.32 net and the OTVARC net asking for help.

PUBLIC RELATIONS

I will have samples of the Public Service yellow tee-shirts and jackets at the next club meeting. The jackets will be $9.50 and tee-shirts will be $7.50. The tee-shirts will have printing on both front and back. I would really like to have people use these when we are on Public Service events. If we do use them before long they will know we are the Radio People. I will be taking orders at the next meeting.

EMERGENCY SERVICE

I am trying to get a class together on writing messages before our October simulated emergency. Stayed tuned to the OTVARC NET.

OTVARC NET

Speaking of the OTVARC net, as of the 2nd Tuesday of September, the net will be on the 147.340 Repeater with the 147.32 for back-up. So please listen on Tuesdays at 8PM on 147.34. We may start asking for check-ins and remember this is a club net for club members, so let's use it.

7th DIVISION ELECTIONS: Nothing new in the upcoming race for our ARRL Division Director and Vice Director. Running for Director is Gib Gibson, present Vice Director and also running is Joe Winter, Washington State Section Manager. Joe was the fellow who gave Mary Lewis a close race a couple of years ago. Running for Vice Director are Rush Drake and our own Bob Orr. No word as of this writing whether or not Mary Lewis is intending to run again? All paid up ARRL members will soon be getting a ballot in the mail and when YOU do, please vote. If you are not informed about the individuals running, call a friend, ask another club member but whatever you do, vote.

TRANSISTOR: There are thousands of versions of this versatile electronics device. The particular one you need is always out of stock at your parts store. Transistor theory is based on the movement of electrons and holes. In equipment they are found close-soldered next to the burned capacitor on the blackened section of the circuit board.

TUBE: A light bulb which glows orange and is filled with metal parts to block the light. In older equipment, it is an indicator of whether the unit was working. If the tubes lit, the unit might be working. If the tubes did not light, the unit definitely was not working.

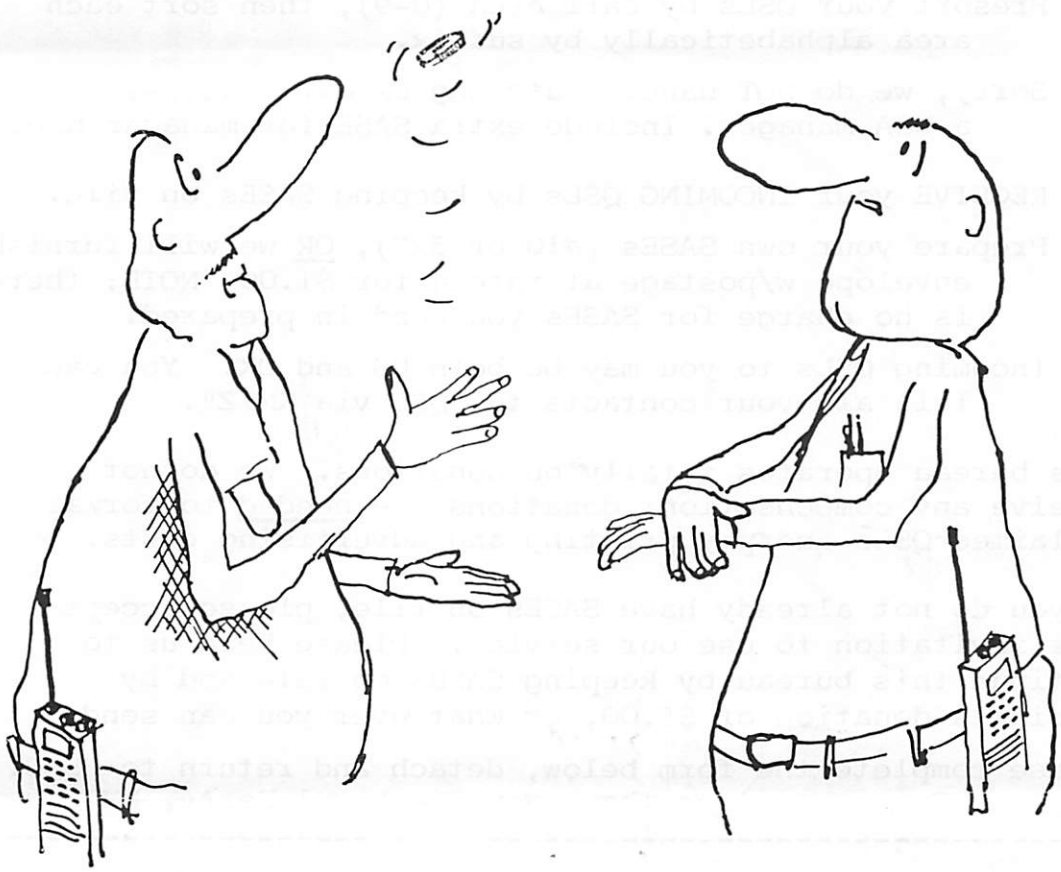
USED EQUIPMENT: Any unit with tubes. Any unit taken on Field Day. Any unit taken out of the store.

PORTLAND RADIO SUPPLY

SERVING THE ELECTRONICS INDUSTRY SINCE 1932

1234 S.W. STARK STREET • PORTLAND, OREGON 97205 • (503) 228-8647

WE



MATCH PRICES!

Quote must be from an Authorized Dealer, for current products only. Offer does not include demos, discontinued gear, or Factory Closeouts.

SHOP WHERE EVERY DOLLAR YOU SPEND HELPS SUPPORT YOUR CLUB!

USQS KM7Z

US QSL SERVICE, INC. P.O. BOX 814, MULINO, OR 97042 (503) 829-6797

USQS/KM7Z -- THE BUREAU for stateside Amateur QSLing.

FREE!! Non-profit, voluntary service by and for hams.

*** SEND all your OUTGOING (to USA) QSLs to one location! No addresses or postage needed on your QSLs.

Presort your QSLs by call area (Ø-9), then sort each area alphabetically by suffix.

Sorry, we do NOT handle outgoing DX cards unless via a USA manager. Include extra SASE for manager use.

*** RECEIVE your INCOMING QSLs by keeping SASEs on file.

Prepare your own SASEs (#10 or 5x7), OR we will furnish envelope w/postage at rate 4 for $1.00 NOTE: there is no charge for SASEs you send in prepared.

Incoming QSLs to you may be both US and DX. You can tell all your contacts to "QSL via KM7Z".

This bureau operates totally on donations. We do not receive any compensation; donations are needed to forward unclaimed QSLs and pay printing and advertising costs.

If you do not already have SASEs on file, please accept this invitation to use our service. Please help us to continue this bureau by keeping SASEs on file and by sending a donation of $5.00, or what ever you can send.

Please complete the form below, detach and return to USQS.
Thank you-73- Laryl Berry, KM7Z

CALL(s)

NAME

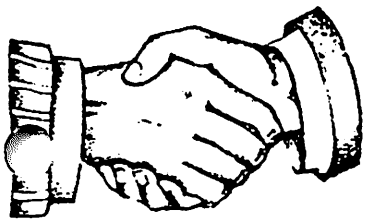
ADDRESS

(Voided QSL or address label please for SASE info. List ex calls held.)

() Enclosed is $_____ for _____ SASEs. ($1.00 for each 4)
Please return at least _____ QSLs in each.

() Enclosed are my SASEs and/or outgoing QSLs (sorted).

() Enclosed is a donation of _____.



NEW MEMBERS

A big OTVARC welcome to our new members for Aug.. We have Ed Fransen, KA7TCX, Jim Hamlin, W7FKI, Will Hobbs, WB7ALX, Leon Sayer, KA7RJR and a retread by the name of Doc Movius who paid five bucks for the call of W7ZVC. Welcome back Doc and to the rest of you guys, get radioactive with the club. We have the activities. How much you enjoy it all is up to you. Please get involved.....

NEW CALLS: Jim and Pat Douglas. Calls of KA7TQH and KA7TQI. NEAT!!!!

WHAT IS ELECTRICITY??????

Todays scientific question is; What in the world is electricity? And where does it go when it leaves the toaster?

Here is a simple experiment that will teach you an important electrical lesson. On a cool, dry day, scuff your feet along a carpet, then reach your hand into a friends mouth and touch one of his dental fillings. Did you notice how your friend twitched violently and cried out in pain? This teaches us that electricity can be a very powerful force but we must never use it to hurt others unless they need to learn an important electrical lesson.

It also teaches us how an electrical circuit works. When you scuffed your feet, you picked up a batch of /*('@ electrons which are very small objects that carpet manufacturers weave into carpets so they will attract dirt. The electrons travel through your bloodstream and collect in your finger, where they form a spark that leaps to your friends filling. It then travels down to his feet and back into the carpet, thus completing the circuit.

Amazing electronic fact: If you scuffed your feet long enough without touching anything, you would build up enough electrons to explode your finger! But this is nothing to worry about unless you have carpets.

Although we modern people tend to take our electric lights, radios, mixers and etc. for granted, hundreds of years ago people did not have any of these things, which is just as well because there was no place to plug them in. Then along came the first electrical pioneer, Ben Franklin, who flew a kite in a lightening storm and received a serious electrical shock. This proved that lightning was powered by the same force as carpets but it also damaged Franklins brain so severely that he started speaking in incomprehensible maxims such as. 'A penny saved is a penny earned' and more. Eventually he had to be given a job running the post office.

After Franklin came a herd of electrical pioneers whose names have become part of our electrical terminology. Myron Volt, Mary Louise Amp, James Watt, Wayne Green and Bob Transformer are a few. These pioneers conducted many important electrical experiments. For example, in 1780 Luigi Galvani discovered (this is true) that when he attached two different kinds of metal to the leg of a frog, an electrical current developed and the frogs leg kicked, even though it was no longer attached to the frog, which was dead anyway. Galvanis discovery led to enormous advances in the field of amphibian medicine. Today, skilled veterinary surgeons can take a frog that has been seriously injured or killed, implant pieces of metal in its muscles and watch it hop back into the pond just like a normal frog, except for the fact that it sinks like a stone.

The greatest electrical pioneer of all was Thomas Edison, who was a brilliant inventor despite the fact that he had little formal education and lived in New Jersey. Edisons first major invention, in 1877, was the phonograph, which could soon be found in thousands of American homes, where it basically sat until 1923 when the record was invented. Edisons greatest achievement came in 1879 when he invented the electric company. Edisons design was a brilliant adaptation of the simple electrical circuit: The electric company sends electricity through a wire to a customer, then immediately gets the electricity back through another wire, then (this is the brilliant part) sends it right back to the customer again.

This means that an electric company can sell a customer the same batch of electricity thousands of times a day and never get caught, since very few customers take the time to examine their electricity closely. In fact, the last year in which any new electricity was generated in the United States was 1937. The electric companies have been merely reselling it ever since, Which is why they have so much free time to apply for rate increases.

Today, thanks to men like Edison and Franklin, and frogs like Galvanis, we receive almost unlimited benefits form electricity. For example, in the past decade, scientists developed the laser, an electronic appliance that emits a beam of light so powerful that it can vaporize a bulldozer 2000 yards away yet so precise that docbors can use it to perform delicate operations on the human eyeball, so long



NEWS

as they remember to change the power setting from VAPORIZE BULLDOZER to DELICATE OPERATION. (tnks N7DKQ)

2 Meter Nets

DAY	TIME	FREQUENCY	RPTR QTH	REMARKS
Nightly	7:00 pm	146.820	Eugene	
Nightly	7:30 pm	147.320	South Saddle Mtn.	PDX area ARES
Nightly	7:30 pm	146.790	Corvallis	ARES net
Monday	7:30 pm	146.840	Portland	PARC/info
Nightly	7:00 pm	145.430	Roseburg	
Tuesday	7:00 pm	147.240	Vancouver	ARES net
Mon. & Th.	7:00 pm	146.860	Salem	ARES net
Wednesday	7:30 pm	147.280	Gresham	HARC/info
Tuesday	8:00 pm	146.960	Portland	OTVARC/info

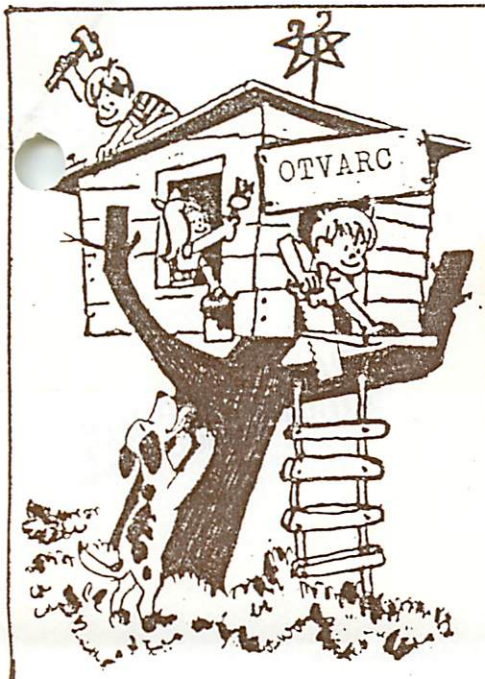
RPTR LINK INFORMATION

Hood River	147.100	on 24 hours daily	While on the
Yakima	147.300	link to Hood River	link please
Goodnoe (E. Wa.)	147.200	link to Yakima	keep contacts
Spokane	147.240	link to Goodnoe	short and lis-
Moscow (Idaho)	146.820	link to Spokane	ten for breaks.

LISTED BELOW are some major DX Nets currently on, courtesy of the Wichita ARC:

Band	Name	Frequency	Time	Comments
10 meters	Family Hour	28.575 MHz	2300Z	QRT poor conditions daily
15	African Safari	21.292	1800	QRT until fall weekdays
15	Afrikaner	21.355	1800	QRT until September
15	Family Hour	21.345	2100	Weekdays
15	Pacific Island	21.290	1900	Fridays and Saturdays only
20	Family Hour	14.227	1400	Daily
20	Brown Sugar	14.309	0300	Daily
20	Pacific Inter-Island	14.315	0800	Fridays
20	I-DX Net	14.236	0100	Daily
20	VK9NS - Jim Smith	14.220	0600	Fridays (some weekdays)
20	9N1MM	14.236	0100	Wednesdays only
20	IRAS	14.442	0100	Members only
20	Pac. Islands DX Net	14.265	0545	Weekdays

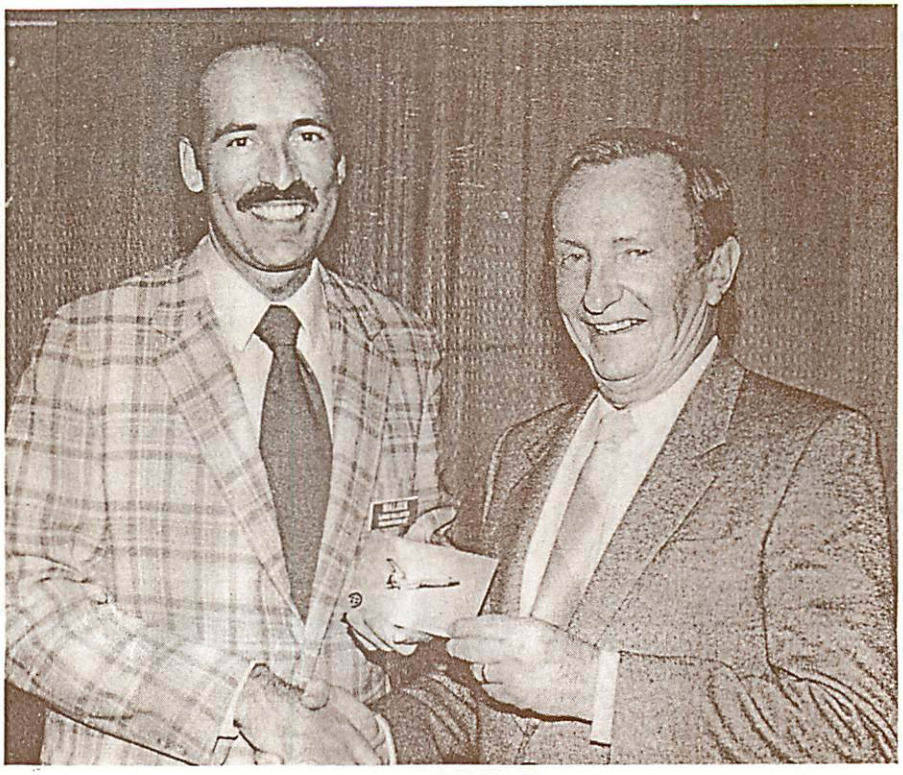
THE FCC TALKS TOUGH TO RULES VIOLATORS. During his speech at the ARRL National Convention, PRB Chief Foosaner stated that the Commission is prepared to take whatever action is necessary to insure that all regulatory violators are brought to justice. To emphasize that he means what he says, Foosaner singled out several cases that are currently under prosecution. In referring to one of them, Foosaner discussed Gary Kerr, the former WA6JIY: "...he kept operating after we revoked his license for jamming the Grizzly Peak [San Francisco] repeater station. We fined him $2,000; he hasn't paid. Now he's going to deal with the US Attorney and if he doesn't shape up he's going to be looking at you from behind bars." Foosaner emphasized that there exists ample legal precedent today to revoke a license regardless of the defense used by the jammer caught in the act, adding, "Jamming is jamming. It always occurs for a reason, but we don't care what your reason is. If we catch you--and if you do it often enough we will catch you--you can say goodbye to amateur radio." He went on to add that cheating on an amateur examination will bring with it the same result: the loss of your license.



WRONG!!!

The photo on the right, which was in the Sept. issue of QST, was not taken by me but rather by Warren Knight, N7BIJ. The article was put together by Bob Kuhn, President of the MARC group. The pic and a several column article was printed in entirety by Worldradio and we thank Bob for his help and also Warren for a great picture.

SPEAKING OF PICTURES: Doc, KA7BSD, is now the club scrapboook overseer and we wonder if anyone has made contributions?? A bit of club history may not seem too important now but on down the road it will mean a lot. How about a few pics or whatever! Hmmmm.



Lance Collister, WA1JXN (left), of Frenchtown, Montana, receives his W5LFL two-way QSL card from Roy Neal, K6DUE, at the ARRL Oregon State Convention. Lance made the first Amateur Radio contact with Owen Garriott, W5LFL, during the STS-9 Space Shuttle flight. *(photo by WB7SIC)*

WHO TO CALL FOR WHAT

*PUBLIC SERVICE			
*CLUB CONTESTS	Jeff Freedman	K7JF	641-6636
*TECHNICAL	Dee Lynch	KA7NPN	646-4580
*PROJECT NIGHT	Terry Biggs	WB7CHK	648-3687
*PUBLIC RELATIONS	Randy Stimson	KZ7T	297-1175
*CLUB RAFFLE	Gino Buell	KA7KBH	646-7991
*MEETING PROGRAMS	John Haide	WA7CZA	246-8086
*CLUB SOCIALS	Paul Lucas	WB6SHR	641-8703
*EMERGENCY SERVICE	Randy Stimson	KZ7T	297-1175
*TRAINING (classes)	Randy Cobb	KA7HJT	649-5066
CLUB JACKETS	Warren Winner	W7JDT	644-0752
ARRG INFO	Warren Winner	W7JDT	644-0752
CLUB BADGES	Linda Cereghino	N7CZY	643-5862
ROSTER CHANGES	Linda Cereghino	N7CZY	643-5862
CLUB QSL CARDS			
CLUB T-SHIRTS			
ARRL MEMBERSHIP	John Burgess	N7DCQ	649-9095
CLUB SCRAPBOOK	Doc Miller	KA7BSD	292-8090
NEWSLETTER	Al Berg	WB7SIC	640-5456
*CONVENTION	Al Berg	WB7SIC	640-5456

* (indicates committee)

CLUB ARRL APPOINTEES

ARES District Emergency Co-Ordinator	KZ7T
ARRL Assistant Director and Club Liaison	WB7SIC

MEETING PROGRAM

SUPER STATIONS: We have seen a program on super antenna installations but never on multi-thousand dollar stations full of the latest transmitting equipment. Picture yourself with unlimited funds and space to put in any kind of station your heart desires! There are a few hams in the country who have that type of dream situation and you are about to see the results. All you have to do is show up at the meeting and get an eyeful of what Rush Drake, W7RM, is going to show us. Rush has traveled far and wide and while doing so, has taken a great deal of slides to document what he has seen. Stan, W7NI, recommended that we invite Rush as he has seen the program and thought it to be very 'high Q.' Stan has given us some excellent programs so let us give a vote of trust and support Mr. Drake by showing up to enjoy his efforts. By the way, Rush is coming all the way from Seattle to give us this program! Let's give W7RM a good OTVARC response.....

Don't forget the great buffet din-din for a cheap five bucks and you might even bring along a friend or two. Like your wife or girl.... Be a hero...

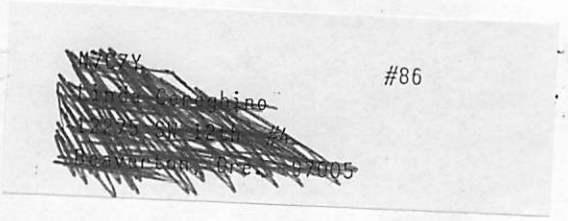


BE HAPPY

73 .. 88 DE WB7SIC

OTVARC
P. O. BOX 5132
BEAVERTON, OR 97006





FIRST CLASS MAIL

FIRST CLASS MAIL



Store Hours:
Monday: 6 P.M. - 10 P.M.
Friday: 6 P.M. - 10 P.M.
Saturday: 10 A.M. - 6 P.M.
We can open most anytime. Call first.

NEW!
*FT 203R • $210**
*FT 209 RH • $299**

YAESU

1% club rebate

COME IN & TRY THE
OSCAR 10 STATION

YAESU FT757GX
$750*
*incudes cash discount

VISA MasterCard

Rohn
25G & 45G
CALL FOR
DISCOUNT
PRICES

antronics
OF OREGON, INC.

18955 SW Blanton
Aloha, OR 97007
(503) 642-7373